



Water-Data Report NV-2005

10310500 CLEAR CREEK NEAR CARSON CITY, NV

CARSON RIVER BASIN, UPPER CARSON RIVER BASIN

LOCATION.--Lat 39°06'48", long 119°47'50" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.1, T.14 N., R.19 E., Douglas County, Hydrologic Unit 16050201, on left bank, 3 mi upstream from mouth, and 3.5 mi southwest of Carson City.

DRAINAGE AREA.--15.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Mar 1948 to Sep 1962, occasional low-flow measurements, water years 1963-1988, and annual maximum, water years 1963-1981, Jan 1989 to current year.

GAGE.--Water-stage recorder and sharp crested weir. Elevation of gage is 5,000 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 266 ft³/s, Jan 2, 1997, gage height, 3.94 ft; minimum daily, 0.42 ft³/s, Aug 3, 1992.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8.0 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 08	1400	8.6	1.51
Mar 22	1600	*14	*1.64
May 16	1115	*14	*1.66

10310500 CLEAR CREEK NEAR CARSON CITY, NV—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.8	2.3	e3.5	3.8	4.1	5.4	7.8	9.8	7.3	3.4	2.0	1.5
2	1.8	2.7	e3.5	3.7	4.1	5.9	8.0	9.4	6.7	3.3	1.9	1.4
3	2.0	3.1	e3.5	3.7	4.1	5.5	8.1	9.4	6.4	3.2	1.9	1.4
4	1.9	3.0	e3.5	3.8	4.1	5.4	7.8	9.6	6.1	3.2	1.9	1.4
5	1.8	2.8	3.9	3.6	4.3	5.6	7.6	11	5.8	3.2	1.9	1.4
6	1.7	2.8	3.7	3.7	4.3	5.7	8.2	9.9	5.6	3.2	1.9	1.4
7	1.7	3.0	4.1	3.9	4.4	5.6	8.5	9.1	5.8	3.1	1.8	1.4
8	1.7	3.5	6.1	3.6	4.2	5.8	8.5	10	6.1	3.0	1.8	1.4
9	1.7	3.5	5.2	4.2	4.3	6.1	8.4	11	6.5	3.1	1.8	1.5
10	1.7	3.4	4.2	4.0	4.3	6.5	7.9	9.6	5.9	3.0	1.8	1.6
11	1.7	3.1	4.0	4.0	4.4	7.0	7.9	9.3	5.8	2.9	1.8	1.6
12	1.7	2.8	4.0	3.8	4.7	7.2	8.2	9.2	5.4	2.7	1.7	1.7
13	1.7	2.8	3.8	4.0	5.1	6.8	8.1	9.6	5.2	2.6	1.7	1.8
14	1.7	2.6	3.6	3.7	5.6	6.0	7.8	10	5.1	2.5	1.6	1.7
15	1.7	2.6	3.5	3.8	5.1	5.6	7.8	11	4.9	2.5	1.6	1.7
16	1.7	e2.3	3.5	4.0	4.8	5.3	8.2	12	4.8	2.4	1.7	1.7
17	2.3	e2.3	3.5	4.0	4.6	5.1	9.3	9.2	5.3	2.3	1.7	1.7
18	3.0	3.3	3.4	4.0	4.7	5.0	9.4	9.4	5.2	2.3	1.6	1.8
19	3.3	3.3	3.4	4.1	4.6	6.0	8.7	10	5.0	2.2	1.6	1.8
20	4.1	3.3	3.5	4.4	5.0	6.2	8.0	10	4.8	2.2	1.6	1.9
21	2.6	3.3	3.4	4.6	5.5	6.0	8.1	9.2	4.7	2.3	1.6	2.1
22	2.7	3.4	3.3	4.5	6.1	10	8.6	9.0	4.7	2.3	1.6	1.9
23	3.1	3.3	3.5	4.6	5.5	9.7	8.6	9.1	4.6	2.2	1.6	1.8
24	3.8	3.4	3.5	4.6	5.5	8.4	8.2	8.6	4.4	2.2	1.6	1.9
25	3.2	3.6	3.5	5.0	5.6	7.7	8.2	8.6	4.3	2.2	1.6	2.0
26	3.4	3.6	3.3	5.1	5.8	7.8	8.7	8.6	4.1	2.1	1.6	2.0
27	2.8	e3.5	3.3	5.0	5.5	8.8	9.8	8.7	3.9	2.0	1.6	2.2
28	2.8	e3.5	3.4	4.7	5.6	11	9.4	8.5	3.8	2.3	1.5	2.1
29	3.4	e3.5	3.4	4.3	---	9.0	8.9	7.7	3.6	2.2	1.5	2.0
30	3.3	e3.5	3.6	4.2	---	8.0	9.2	7.4	3.5	2.2	1.6	1.9
31	3.0	---	3.7	4.2	---	7.6	---	7.3	---	2.1	1.6	---
Total	74.8	93.1	115.3	128.6	135.9	211.7	251.9	291.2	155.3	80.4	52.7	51.7
Mean	2.41	3.10	3.72	4.15	4.85	6.83	8.40	9.39	5.18	2.59	1.70	1.72
Max	4.1	3.6	6.1	5.1	6.1	11	9.8	12	7.3	3.4	2.0	2.2
Min	1.7	2.3	3.3	3.6	4.1	5.0	7.6	7.3	3.5	2.0	1.5	1.4
Ac-ft	148	185	229	255	270	420	500	578	308	159	105	103

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.00	4.33	5.49	6.87	7.05	8.07	8.99	8.14	5.08	3.00	2.37	2.42
Max	6.54	11.2	15.3	36.3	16.4	19.3	30.9	26.8	15.5	8.09	6.01	5.77
(WY)	(1953)	(1951)	(1951)	(1997)	(1997)	(1997)	(1952)	(1952)	(1998)	(1952)	(1997)	(1997)
Min	1.31	1.89	2.31	2.13	3.24	3.36	2.80	1.39	1.12	0.75	0.67	1.00
(WY)	(1995)	(1962)	(1962)	(1962)	(1991)	(1992)	(1992)	(1992)	(1994)	(1994)	(1994)	(1994)

10310500 CLEAR CREEK NEAR CARSON CITY, NV—Continued**SUMMARY STATISTICS**

	Calendar Year 2004		Water Year 2005		Water Years 1948 - 2005	
Annual total	1,190.7		1,642.6			
Annual mean	3.25		4.50		5.44	
Highest annual mean					13.4	1997
Lowest annual mean					2.09	1992
Highest daily mean	8.0	Mar 18	12	May 16	198	Jan 2, 1997
Lowest daily mean	1.3	Sep 1	1.4	Sep 2	0.42	Aug 3, 1992
Annual seven-day minimum	1.4	Sep 5	1.4	Sep 2	0.44	Aug 3, 1992
Maximum peak flow			14	May 16	266	Jan 2, 1997
Maximum peak stage			1.66	May 16	3.94	Jan 2, 1997
Annual runoff (ac-ft)	2,360		3,260		3,940	
10 percent exceeds	5.4		8.7		11	
50 percent exceeds	3.3		3.8		4.1	
90 percent exceeds	1.7		1.7		1.6	

10310500 CLEAR CREEK NEAR CARSON CITY, NV—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 1 of 4

[Remark codes: <, less than.]

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	ANC, wat unf								
				Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Sodium, lab, mg/L as CaCO ₃ (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
Oct 29...	1242	Environmental	3.6	--	--	--	--	--	--	--	--	--
Nov 29...	1430	Environmental	7.9	--	--	--	--	--	--	--	--	--
Dec 08...	1330	Environmental	8.4	--	--	--	--	--	--	--	--	--
08...	1430	Environmental	8.6	--	--	--	--	--	--	--	--	--
Jan 20...	1410	Environmental	4.3	--	--	--	--	--	--	--	--	--
Mar 03...	1434	Environmental	5.5	--	--	--	--	--	--	--	--	--
Apr 11...	1420	Environmental	7.6	--	--	--	--	--	--	--	--	--
27...	1200	Environmental	9.7	--	--	--	--	--	--	--	--	--
27...	1300	Environmental	9.7	--	--	--	--	--	--	--	--	--
May 11...	1142	Environmental	9.1	--	--	--	--	--	--	--	--	--
Jun 09...	1600	Environmental	6.9	--	--	--	--	--	--	--	--	--
09...	1630	Environmental	6.4	--	--	--	--	--	--	--	--	--
22...	1531	Environmental	4.6	--	--	--	--	--	--	--	--	--
29...	1330	Environmental	3.6	14.8	2.64	1.79	9.33	56	9.71	<.1	22.0	.7
Aug 03...	1305	Environmental	2.0	--	--	--	--	--	--	--	--	--
Sep 07...	1245	Environmental	1.6	19.5	2.78	1.79	8.00	70	5.59	.1	21.6	.9

10310500 CLEAR CREEK NEAR CARSON CITY, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 2 of 4

[Remark codes: <, less than.]

Date	Ammonia + org-N, water, filtrd, mg/L as N (00623)	Ammonia + org-N, water, unfiltrd mg/L as N (00625)	Nitrite Ammonia water, filtrd, mg/L as N (00608)	Nitrite nitrate water, filtrd, mg/L as N (00631)	Nitrite water, filtrd, mg/L as N (00613)	Ortho- phosphate, water, filtrd, mg/L as P (00671)	Phos- phorus, water, filtrd, mg/L (00666)	Phos- phorus, water, unfiltrd mg/L (00665)	Alum- inum, water, filtrd, ug/L (01106)	Anti- mony, water, filtrd, ug/L (01095)	Arsenic water, filtrd, ug/L (01000)	Barium, water, filtrd, ug/L (01005)	Berill- ium, water, filtrd, ug/L (01010)
Oct													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
Nov													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
Dec													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jan													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
Apr													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	.12	.22	<.010	<.016	<.002	.014	.021	.052	6	<.20	<2	19	<.06
Aug													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep													
07...	<.10	.12	<.010	<.016	<.002	.014	.016	.043	2	<.20	.41	14	<.06

10310500 CLEAR CREEK NEAR CARSON CITY, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 3 of 4
 [Remark codes: <, less than.]

Date	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury, water, fltrd, ug/L (71890)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
Oct													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
Nov													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
Dec													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jan													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
Apr													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
29...	<7.0	.06	<.8	.100	1.5	186	<.08	10.3	<.01	1.7	.66	<3	<.2
Aug													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep													
07...	7.1	<.04	<.04	.055	<.4	150	<.08	11.8	<.01	2.4	.57	<.08	<.2

10310500 CLEAR CREEK NEAR CARSON CITY, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 4 of 4
 [Remark codes: <, less than.]

Date	Zinc, water, filtrd, ug/L (01090)	Uranium natural water, filtrd, ug/L (22703)	Suspnd. sediment, sieve percent <.063mm (70331)	Sus- pended sediment concen- tration mg/L (80154)	Sus- pended sediment dis- charge tons/d (80155)	Bedload sediment, sieve percent <.063mm (80226)	Bedload sediment, sieve percent <.125mm (80227)	Bedload sediment, sieve percent <.25mm (80228)	Bedload sediment, sieve percent <.5 mm (80229)	Bedload sediment, sieve percent <1 mm (80230)	Bedload sediment, sieve percent <2 mm (80231)	Bedload sediment, sieve percent <4 mm (80232)	Bedload sediment, sieve percent <8 mm (80233)
Oct													
29...	--	--	--	9	.09	--	--	--	--	--	--	--	--
Nov													
29...	--	--	--	16	.34	.0	.0	3	28	58	78	94	100
Dec													
08...	--	--	--	228	5.2	--	--	--	--	--	--	--	--
08...	--	--	.0	--	--	--	--	--	--	--	--	--	--
Jan													
20...	--	--	--	10	.12	--	--	--	--	--	--	--	--
Mar													
03...	--	--	--	19	.28	--	--	--	--	--	--	--	--
Apr													
11...	--	--	--	22	.45	--	--	--	--	--	--	--	--
27...	--	--	--	60	1.6	--	--	--	--	--	--	--	--
27...	--	--	.0	--	--	.0	.0	4	31	67	90	98	100
May													
11...	--	--	--	29	.71	--	--	--	--	--	--	--	--
Jun													
09...	--	--	--	37	.69	--	--	--	--	--	--	--	--
09...	--	--	.0	--	--	.0	.0	.0	9	39	74	96	100
22...	--	--	--	21	.26	--	--	--	--	--	--	--	--
29...	1.4	7.66	--	15	.15	--	--	--	--	--	--	--	--
Aug													
03...	--	--	--	12	.06	--	--	--	--	--	--	--	--
Sep													
07...	<.6	12.1	--	10	.04	--	--	--	--	--	--	--	--